Remote Android / Kotlin Interview assignment

In this test we would like to know your basic principles in using the recommended Jetpack compose pattern as well as how you test your apps using MVVM pattern.

Basic requirements:
1. Use **Kotlin**.
2. Version your code using **git**
3. Send us the public git repository link on day 1 of your interview (to people@qhala.com).
4. It's preferred that you make **daily commits** as we will be following your progress.
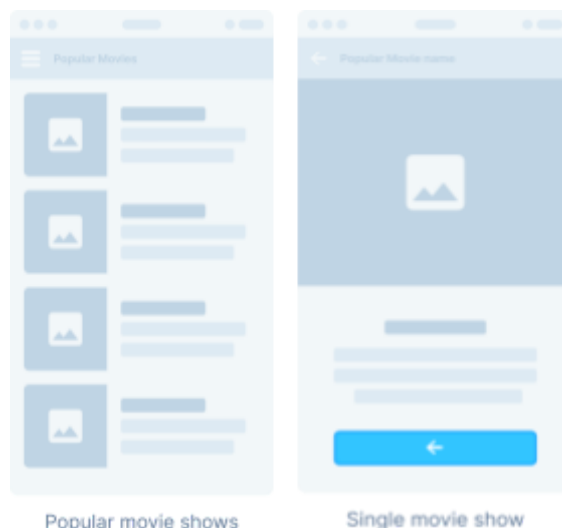5. The Test will take 5 days

Question 1

Create your account or login to the Movie DB Api. After that go to the **settings page to get your Api key**. Once you get the API Key use the following Endpoint that fetches the popular movie shows.
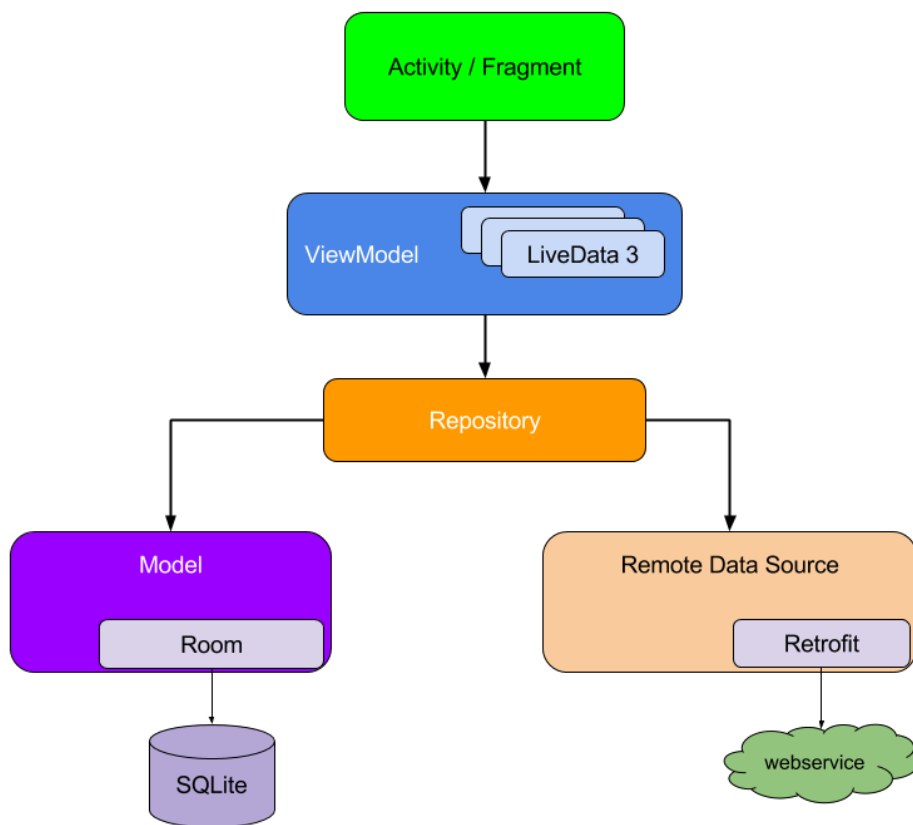
https://api.themoviedb.org/3/movie/popular?api_key=YOUR_KEY&language=en-US&page=1

Create a simple app that integrates to the Movies DB API and fetches the current popular Movie shows on TMDb.

Use the following best practice technologies as prescribed by android Jetpack:

- Navigation – To manage your application navigation.
- Dagger - Hilt - Used to provide dependency injection.
- Retrofit 2 - OkHttp3 - Request/response API.
- Room – To save data if in offline mode.
- Glide - For image loading.
- Coroutines - reactive programming paradigm.
- LiveData - To see UI updates with data changes.
- Data Binding - bind UI components in layouts to data sources.

Popular movie shows   Single movie show

Figure 2. Use this architecture in mind

*Bonus points : Add dark theme.

Question 2

Following the "Given-When-Then" structure, create a test suite that has the following test class.

Write a test for ViewStates which are responsible for reporting changes to the UI, the test should match the movie show name to a given movie show.